

MARCH 1, 1983

GEOLOGICAL WELL REPORT

Brunson Production, Inc.

#1 L. Neufeldt - Approx. C N/2 SW NW

Section 34-T21S-R.3W.,

Hollow-Nikkel Area, McPherson

County, Kansas

Contractor: Blackstone Drilling, Inc.

Spud: Feb. 15, 1983

8 5/8" Surface Casing @ 222'

5 1/2" Production Casing @ 3500'

Rotary Completion: Feb. 22, 1982

Total Depth: 3500'

BRUNSON PRODUCTION, INC.
Corporate Place Suite 200
125 N. Emporia
Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geologic tops, an evaluation of the porosities encountered and a record of all tests made at the captioned well.

I arrived at the location at a depth of 3115' and witnessed the drilling from that point to TD 3500. Samples were examined from 3100-3500' TD. The hole was not logged mechanically before being cased but logging is planned before completion is attempted. Three drill stem tests were taken, results enclosed.

Enclosed herewith is a copy of the plotted drilling time log which also includes lithology, porous zones, tops, tests and other pertinent data.

SAMPLE TOPS

ELEVATION: 1438 KB Est.

MISSISSIPPIAN CHERT 3128 (-1690)

3130-43 Chert, white tripolitic and white and tan vitreous. Scattered good cavernous porosity in tripolitic chert and scattered oil staining, fair odor, trace of free oil.

DRILL STEM TEST #1 3130-3143

30" - 30" - 60" - 45"

Strong blow at start, decreasing toward end of test.

Recovered: 40 feet of heavily oil cut mud and 2770'
of gas in pipe, no water.

IFP 50#-30#

FFP 50#- 30#

ISIP 350#/30 mins.

FSIP 360#/ 45 mins.

Temperature 108°F.

MISSISSIPPIAN CHERT (continued)

3143-3162 Chert, white tripolitic and white vitreous. Minor streaky porosity and staining.

DRILL STEM TEST #2 3142 - 3162

30" - 30" - 60" - 45"

Strong blow throughout test, gas to surface during final shut in period.

Recovered: 105 feet slightly oil and gas cut mud and 240 feet of salt water.

IFP	60# - 65#	FFP	120# - 150#
ISIP	790#/30 mins.	FSIP	810#/45 mins.

3162-3190 Chert - white, tripolitic, porous, no show. Minor tan sucrosic dolomite.

KINDERHOOK SHALE

3347 (-1909)

HUNTON

3463-3468
1439
-2025

Dolomite, brown, medium to coarsely crystalline. Excellent cavernous porosity and oil staining, good odor and fluorescence.

DRILL STEM #3 3463 - 3468

30" - 30" - 60" - 45"

Good blow throughout first open period. Good blow decreasing to very weak during second open period.

Recovered: 2630 feet total fluid including 30 feet of free oil and 600 feet of slightly oil cut water, est. 10% oil.

Reversed out 2000 feet of oil cut water varying from est. 2% - 10% oil.

IFP	179 - 789#	FFP	912# - 1089#
ISIP	1089#/30 mins.	FSIP	1089#/45 mins.

MAQUOKETA

3468 (-2030)

TOTAL DEPTH:

3500'

BRUNSON PRODUCTION, INC.

#1 L. Neufeldt - McPherson Co., KS

Conclusions and Recommendations

At the top of the Mississippian this well checks eight feet lower than the adjacent #2 Willems to the northeast and in the comparative interval of the producing horizon on the #2 Willems yielded only oil cut mud and relatively lower pressures in DST #1. On the second DST which tested a portion of the upper break and about 10 feet of the lower break gave up water and slightly oil and gas cut mud but relatively normal pressures when compared to the Mississippian producing #2 Willems. It would appear that this hole has been affected by drainage from the #2 Willems within the Mississippian and that producing possibilities in that horizon are diminished.

At the Hunton, the subject well is 10 feet higher than the #2 Willems to the northeast and only 4 feet lower than the Hunton producing #1 Willems to the north. It is believed that this well is capable of producing commercially from the Hunton with handling of high volume water as presently done on the #1 Willems.

It was recommended that the hole be cased to test the Hunton and secondly the Mississippian.

Yours very truly,

T. G. Wright

TGW:wlf

DRILLING PROGRESS

2/15/83	Spud		
2/16	610		
2/17	1750		
2/18	2515		
2/19	3070		
2/20	3162		
2/21	3445		
2/22	3500	TD	5 1/2" Casing @ 3500'

BIT RECORD

SMITH	DTJ (Retip)	233 - 845
SECURITY	M-84 (Rerun)	845 - 1185
HUGHES	J-2 (retip)	1185 - 1895
SMITH	F-2 (Rerun	1895 - 3090
SECURITY	M-84	3090 - 3500 TD